## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 18 September 2003 (18.09.2003)

PCT

## (10) International Publication Number WO 2003/077110 A3

(51) International Patent Classification7: G06K 11/18, G06F 3/033

(21) International Application Number:

PCT/NL2003/000145

(22) International Filing Date: 26 February 2003 (26:02.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 1020161

13 March 2002 (13.03.2002)

(71) Applicant (for all designated States except US): WEL-BERGEN BEHEER B.V. [NL/NL]; Broekermeerdijk 39, NL-1151 CZ Broek In Waterland (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): WELBERGEN, Erwin [NL/NL]; Broekermeerdijk 39, NL-1151 CZ Broek In Waterland (NL).

(74) Agent: DE VRIES, Johannes, Hendrik, Fokke; De Vries & Metman, Overschiestraat 180, NL-1062 XK Amsterdam (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG).

## Published:

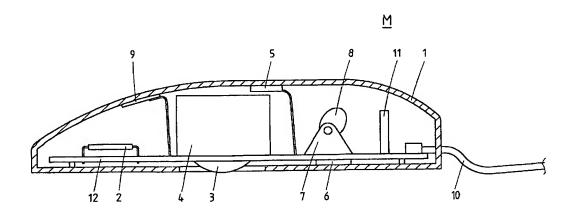
with international search report

before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 23 September 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM FOR PROVIDING AN INPUT SIGNAL, DEVICE FOR USE IN SUCH A SYSTEM AND COMPUTER INPUT DEVICE



(57) Abstract: A system for providing an input signal, comprises an element (M, 1) controllable by a user by means of interaction with a user's limb, which system comprises a sensor (5, 6) capable of detecting the presence of a limb placed over at least part of the element (M, 1), timing means (2) for determining the length of a time during which the limb is present and means (11, 9, 7, 8) of generating an alarm signal if the length of time exceeds a threshold value. The alarm signal can be used to effect discontinuation of the presence of the limb.

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06K11/18 G06F3/033

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  $IPC\ 7\ G06K\ G06F$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fleids searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, IBM-TDB, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the re	Relevant to daim No.	
х	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 13, 5 February 2001 (2001-02-05) & JP 2000 298530 A (FUJITSU LTD) 24 October 2000 (2000-10-24) abstract	,	1-9
X	EP 0 910 006 A (HUDSON SOFT CO L 21 April 1999 (1999-04-21) the whole document	.TD)	11-13,15
X	US 5 841 425 A (ZENZ SR CHARLES	VERNON)	10
A	24 November 1998 (1998-11-24)		9
X Furt	ther documents are listed in the continuation of box C.	χ Patent family members are listed	in annex.
° Special ca  'A' docum consiste 'E' earlier filling 'L' docum which citatic 'O' docum other 'P' docum later	ent which may throw doubts on priority claim(s) or its cited to establish the publication date of another on or other special reason (as specified) tent referring to an oral disclosure, use, exhibition or means tent published prior to the international filling date but than the priority date claimed	"T" later document published after the integer or priority date and not in conflict with cited to understand the principle or the invention of particular relevance; the cannot be considered novel or cannot involve an inventive step when the decannot be considered to involve an indocument is combined with one or ments, such combination being obvious the art.  '&' document member of the same patent	claimed Invention t be considered to current is taken alone claimed Invention ventive step when the one other such docu- us to a person skilled family
	actual completion of the international search 28 July 2004	Date of mailing of the international sea 05/08/2004	arch report
	mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Ciarelli, N	



(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT	LOok	
category • Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
US 6 065 138 A (GOULD BRIAN J ET AL) 16 May 2000 (2000-05-16) the whole document	13	
the whole document	1,10,11, 14,15	
EP 0 768 619 A (AT & T CORP) 16 April 1997 (1997-04-16) abstract	1,10,11, 13-15	
·		



			_
Int	i Application No	,	
PCT/NL	03/00145		

	itent document I in search report		Publication date		Patent family member(s)	Publication date
JP	2000298530	Α	24-10-2000	NONE		
EP	0910006	A	21-04-1999	JP JP CA CN EP	3212272 B2 11119867 A 2250368 A1 1214482 A 0910006 A2	25-09-2001 30-04-1999 15-04-1999 21-04-1999 21-04-1999
US	5841425	Α	24-11-1998	NONE		
US	6065138	Α	16-05-2000	NONE		
EP	0768619	A	16-04-1997	US AU CA DE DE EP ES JP SG	5805142 A 7021196 A 2185263 A1 69608519 D1 69608519 T2 0768619 A1 2148691 T3 9128144 A 67959 A1	08-09-1998 24-04-1997 17-04-1997 29-06-2000 25-01-2001 16-04-1997 16-10-2000 16-05-1997 19-10-1999